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Indian Standard

GLOSSARY OF TERMS RELATING TO
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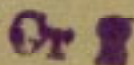
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GLOSSARY OF TERMS RELATING TO FARM TRANSPORT EQUIPMENT

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GLOSSARY OF TERMS RELATING TO FARM TRANSPORT EQUIPMENT

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 29 May 1981, after the draft finalized by the Harvesting, Threshing and Transport Equipment Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 With the increasing usage of transport equipment in the farm, a large number of such equipment are being designed, developed and manufactured in the country. A great emphasis is being given to the modernization of bullock carts. A need has, therefore, been felt for a glossary which would provide authentic definition of various terms associated with these equipment. It is hoped that this standard would fulfil this need.

1. SCOPE

1.1 This standard covers the definitions of various terms used in relation to farm transport equipment.

2. GENERAL TERM

2.1 Farm Transport — The process of carrying agricultural produce, articles and inputs for production and/or marketing.

3. TRACTOR TRAILER

3.1 Agricultural Trailer — A transport vehicle used for carrying agricultural produce or articles and which according to its design is suited and intended for being coupled to an agricultural tractor.

3.1.1 Trailer Breaking Device — A combination of parts whose function is to reduce the speed of the trailer or to bring it to a halt or to keep it stationary if already halted. The device may consist of control, transmission and brakes themselves.

3.1.1.1 Over-run braking device — A braking device in which the energy needed to produce the braking force is generated by movement of the towed vehicle towards the towing machine.

3.1.1.2 Parking braking device — Assembly of parts by means of which the trailer can be maintained at rest even on a slope and in the absence of the driver.

3.1.1.3 Service braking device — A device whose function is to reduce the speed of a moving trailer and to bring it to a halt.

3.1.2 Trailer Component

3.1.2.1 Tow eye — The hitching point of the drawbar of trailer which is attached to the towing tractor hitch point.

3.1.3 Trailer Dimensions

3.1.3.1 Ground clearance — The height of the lowest point of the trailer from a level supporting surface, the trailer being loaded to its pay load and tyres inflated to the recommended pressure.

3.1.3.2 Wheel base — The horizontal distance between front and rear wheels measured at the centre of ground contact.

NOTE — In case of trailers with more than two axles, the wheel bases between consecutive wheels is measured from the foremost to the rearmost wheel. The total wheel base for right or left is the sum of these distances.

3.1.3.3 Wheel track — The distance between the median planes of wheels on the same axle of the trailer measured at the point of ground contact. Where there are twin wheels, the track is the distance between two planes each being the median plane of the pair of the wheels.

NOTE — The median plane of the wheel is equidistant from the two planes containing the periphery of the rims at their outer edges.

3.1.4 Trailer Load and Mass

3.1.4.1 Axle load — The technically permissible axle load for each axle stated by the manufacturer.

3.1.4.2 Gross load — The sum of pay load and unladen mass of the trailer.

3.1.4.3 Pay load — The uniformly distributed maximum safe load which can be transported by the trailer.

3.1.4.4 Unladen mass — The mass of the trailer with all its usual fittings but without any load on it.

3.1.5 Trailer Type

3.1.5.1 Balanced trailer — An agricultural trailer whose total load is supported by its wheels when detached from the towing tractor. This is a double or multiple axle trailer.

3.1.5.2 Fixed platform trailer — An agricultural trailer in which the platform is fixed with the chassis.

3.1.5.3 Semi trailer — An agricultural trailer which while in use transfers a part of its total load on the towing tractor and carries the rest of the load in its axle(s).

3.1.5.4 Tipping-platform trailer — An agricultural trailer in which the platform can be tilted.

4. ANIMAL-DRAWN VEHICLES

4.1 Animal-Drawn Vehicle — A loading platform fitted with at least two wheels and pulled by animals.

4.1.1 Pneumatic-Wheel Vehicle — Animal drawn vehicles having pneumatic wheels.

4.1.2 Wooden-Wheel Vehicle — Animal drawn vehicles having wooden wheels.

INDIAN STANDARDS
ON
HARVESTING, THRESHING AND TRANSPORT EQUIPMENT

IS:

- 3153-1979 Thresher, oldpad type (*first revision*)
- 3327-1965 Paddy thresher, pedal operated
- 4358-1967 Sickles
- 4930-1968 Guide for axle assembly for animal drawn vehicles
- 6024-1970 Guards for grain harvesting machines
- 6025-1970 Knife sections for grain harvesting machines
- 6284-1975 Test code for stationary power thresher for wheat (*first revision*)
- 6320-1971 Wheat power thresher (hammer mill type)
- 7789-1975 Sugarcane stripper
- 8122 (Part I)-1976 Test code for combine harvester thresher: Part I Terminology
- 8213-1976 Agricultural trailer
- 8463 (Part I)-1977 Axle assembly for agricultural tractor trailers: Part I Load carrying capacity up to 5 tonnes
- 9019-1979 Code of practice for installation, operation and preventive maintenance of power threshers
- 9020-1979 General and safety requirements for power threshers
- 9129-1979 Technical requirements for safe feeding systems for power threshers